SAIP2016

Tuesday 05 July 2016

Nuclear, Particle and Radiation Physics (1): Nuclear, Particle and Radiation Physics (1) - LT3 (10:00-10:40)

-Conveners: Deepak Kar

time [id] title	presenter
10:00 [134] Jet measurements in LHC	Ms ROY, Debarati
10:20 [172] Jet substructure techniques for identifying boosted bosons in ATLAS	Ms MOODLEY, Chane Simone

Nuclear, Particle and Radiation Physics (1): Nuclear, Particle and Radiation Physics (1) - 4A (11:10-12:10)

-Conveners: Simon Connell

time	[id] title	presenter
11:30	[260] Proton induced radiation damage to the fluorescence capability of plastic scintillators for the Tile Calorimeter of ATLAS	Ms JIVAN, Harshna
11:50	[419] Crystals Orientation Measurements of the iThemba LABS Segmented Clover Detector.	Ms MTHEMBU, Sinegugu Happiness

Nuclear, Particle and Radiation Physics (1): NPRP - LT3 (11:10-12:10)

-Conveners: Rob Bark

time	[id] title	presenter
11:10	[95] Spectroscopy of the low-lying excitation region in ⁹ B	Dr DANIEL JOSÉ, Marín-Lámbarri
	[424] Coulomb excitation reorientation effect of the first 2 ⁺ state at 4.439 MeV in ¹² C	Dr MUKHI, Kumar Raju
11:50	[194] Searching for exotic shapes in silicon-28	Dr ADSLEY, Philip

Nuclear, Particle and Radiation Physics (1): NPRP - LT3 (14:00-15:40)

-Conveners: Simon Mullins

time	[id] title	presenter
	[355] Determining the spectroscopic quadrupole moment Q _s of the first 2 ⁺ state in ⁴⁰ Ar	Mr MOKGOLOBOTHO, Makabata Jeremia
14:20	[92] Searching for the low-energy enhancement in ⁹¹ Zr	Mr ZIKHALI, Bonginkosi Richard
14:40	[533] Division Meeting: NPRP	Dr MULLINS, Simon

Wednesday 06 July 2016

Nuclear, Particle and Radiation Physics (1): NPRP1 - LT3 (09:40-10:40)

-Conveners: John Sharpey-Schafer

time	[id] title	presenter
09:40	[170] Coupling of single proton configurations to collective core excitations in ¹⁶² Yb: the nucleus ¹⁶¹ Tm	Ms JONGILE, SANDILE
	[470] Coupling of single neutron and proton configurations to collective core excitations in ¹⁶² Yb.	Mr MDLETSHE, Linda
10:20	[210] Coupling of single neutron configurations to collective core excitations in ¹⁶² ₇₀ Yb , the nucleus ¹⁶³ ₇₀ Yb.	Mr SANDILE, Jongile Mr MDLETSHE, Linda Mr SITHOLE, Makuhane

Nuclear, Particle and Radiation Physics (1): NPRP1 - LT3 (11:10-12:10)

-Conveners: Pete Jones

time	[id] title	presenter
	[345] Production of ion beams with ECR ion sources and the pre-acceleration with injector cyclotrons at iThemba LABS	Dr MIRA, Joele
	[349] EXPERIMENTAL STUDY OF INNER SHELL IONIZATION IN AN ECRIS PLASMA	Mr SAKILDIEN, Muneer
11:50	[93] Change in the Angular Momentum Distribution due to Nuclear Plasma Interactions	Mr NOGWANYA, Thembalethu

Nuclear, Particle and Radiation Physics (1): NPRP1 - LT3 (14:00-15:40)

-Conveners: Paul Papka

time	[id] title	presenter
	[333] Upgrades to the iThemba LABS quasi mono-energetic neutron beam facility	Dr SMIT, Frederick David
	[467] Radiation Shielding Calculation using FLUKA transport code for Radioactive-ion Beams Facility at iThemba LABS.	Mr MANTENGU, Nkanyiso R.
	[311] Measurements of gamma-ray production cross sections of proton beam at energies of 80-125 MeV with calcium target.	Mr KUNYANA, AYANDA
	[324] Measuring prompt gamma cross-section data for Carbon target using AFRODITE clover detectors	Ms RAMANATHAN, VIJITHA
15:20	[381] Cross Section Measurements for Neutron Induced Reactions on Bi Target using Quasi Mono-Energetic Neutron Beams of 90 and 140 MeV Energies.	Ms LAMULA, Thobeka

Thursday 07 July 2016

Nuclear, Particle and Radiation Physics (1): NPRP - 4A (09:40-10:40)

-Conveners: Azwinndini Muronga

time [id] title	presenter
09:40 [417] CHPC WLCG Tier2 status, plans and user analysis.	MURRAY, Sean
10:00 [173] The search for crystal undulator radiation	Dr HENNING, Colleen
10:20 [413] CODE-RADE - Community Infrastructure for the Delivery of Physics Applications	MURRAY, Sean

Nuclear, Particle and Radiation Physics (1): Nuclear, Particle and Radiation Physics (1) - LT3 (09:40-10:40)

-Conveners: Ricky Smit

time	[id] title	presenter
09:40	[4] Modelling of Radiological Risks from Gold Mine Tailings in Gauteng Province, South Africa	Mr KAMUNDA, Caspah
10:00	[160] Chemical contamination and radiological risk assessment of Richards Bay waters	Mr MASOK, Felix Bitrus
	[463] Modelling and measurements of cosmic-ray related muon-fluxes in the Huguenot Tunnel near Paarl (Western Cape, South Africa)	Mr DAWAM, Robert Rangmou

Nuclear, Particle and Radiation Physics (1): NPRP - 4A (11:10-12:10)

-Conveners: Simon Mullins

time [id] title	presenter
11:10 [59] Test for traditional vibrational wisdom in 110,112Cd by two proton stripping	Mr MAQABUKA, Bongani
11:30 [223] Nuclear structure studies relevant to double beta decay of 136Xe	REBEIRO, Bernadette
11:50 [67] Resonances in odd-odd 182Ta	Mr BRITS, Christiaan

Nuclear, Particle and Radiation Physics (1): Nuclear, Particle and Radiation Physics (1) - LT3 (11:10-12:10)

-Conveners: Deepak Kar

time	[id] title	presenter
	[342] The Analysis of Zh in association with missing transverse momentum using the CxAOD Framework with the ATLAS detector	Mr MTHEMBU, Skhathisomusa
	[331] Constraints on new hypothetical particles in the Higgs sector using LHC Run 1 and 2 data	Mr VON BUDDENBROCK, Stefan
11:50	[115] Phase-II Upgrade of the ATLAS Inner Detector	Mr HAMITY, Guillermo

Friday 08 July 2016

Nuclear, Particle and Radiation Physics (1): NPRP - LT3 (09:40-10:40)

-Conveners: Thomas Leadbeater

time	[id] title	presenter
09:40	[29] BAGEL: the HPGe clovers array at K600 spectrometer	Dr PELLEGRI, Luna
	[369] Fine structure of the Isovector Giant Dipole Resonance of neutron-rich calcium isotopes using the (p,p') reaction at zero-degrees	Dr USMAN, Iyabo
	[388] Observation of K-splitting in the Isoscalar Giant Quadrupole Resonance within the neodymium isotope chain using high energy-resolution inelastic proton scattering	Prof. CARTER, John

Nuclear, Particle and Radiation Physics (1): NPRP - LT3 (11:10-12:10)

-Conveners: Thifhelimbilu Daphney Bucher

time	[id] title	presenter
11:10	[344] Search for chirality in 192Tl	Dr NDAYISHIMYE, Joram
	[356] Identification of chiral pairs in multiple chiral bands associated with the same nucleon configuration	Dr SHIRINDA, OBED
	[370] The design and simulation of a new experimental set up for measuring short nuclear level lifetimes.	Mr SINGH, Bhivek

Nuclear, Particle and Radiation Physics (1): NPRP - LT3 (14:00-15:40)

-Conveners: Azwinndini Muronga

time	[id] title	presenter
14:00	[163] First Run 2 Soft QCD Results from ATLAS	KAR, Deepak
14:20	[515] AdS:CFT predictions for momentum correlations of bbbar pairs in heavy ion collisions.	Mr HAMBROCK, Robert
14:40	[104] The search for the Dark Vector Boson via the Higgs Portal	Prof. CONNELL, Simon
15:00	[372] Implementation of the preamplifier response function for the iThemba LABS segmented clover detector	Dr BUCHER, Thifhelimbilu Daphney
	[157] Tracking Electrons Produced by Compton Scatter within a Prompt Gamma Imaging Device	Dr PETERSON, Stephen